

CLAIMS

Lab 047

1. A system for distributing audio content of a digital audio signal to an analog wireline device,
5 comprising:

an audio input interface receiving the digital audio signal and identifying an audio bitstream;

10 an audio decoding unit connected to the audio input interface and decoding the audio bitstream;

an audio digital to analog converter connected to the audio decoding unit and converting the audio
15 bitstream to an analog audio signal; and

an audio output interface connected to the audio digital to analog converter and distributing the analog audio signal to the analog wireline device.
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2. The system of claim 1, further comprising an audio digital decryption unit connected to the audio input interface and decrypting the audio bitstream.
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3. The system of claim 1, further comprising an audio analog decryption unit connected to the audio digital to analog converter and decrypting the analog
30 audio signal.

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4. The system of claim 1 wherein the audio output interface distributes the analog audio signal to multiple devices.

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5. The system of claim 1 wherein the audio input interface receives the digital audio signal from a network.

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6. The system of claim 1 wherein the audio input interface receives the digital audio signal from a local storage device.

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7. The system of claim 1 wherein the audio input interface receives the digital audio signal produced by a text-to-speech application.

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8. The system of claim 1 wherein the audio input interface receives the digital audio signal produced by a digital musical instrument.

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9. A system for distributing video content of a digital video signal to an analog wireline device, comprising:

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a video input interface receiving the digital video signal and identifying a video bitstream;

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a video decoding unit connected to the video input interface and decoding the video bitstream;

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a video digital to analog converter connected to the video decoding unit and converting the video bitstream to an analog video signal; and

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a video output interface connected to the video digital to analog converter and distributing the analog video signal to the analog wireline device.

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10. The system of claim 9, further comprising a video digital decryption unit connected to the video input interface and decrypting the video bitstream.

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11. The system of claim 9, further comprising a video analog decryption unit connected to the video digital to analog converter and decrypting the analog video signal.

12. The system of claim 9 wherein the video output interface distributes the analog video signal to multiple devices.

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13. The system of claim 9 wherein the video input interface receives the digital video signal from a network.

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14. The system of claim 9 wherein the video input interface receives the digital video signal from a local storage device.

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15. The system of claim 9 wherein the video input interface receives the digital video signal produced by a digital video camera.

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The following table shows the results of the regression analysis for the dependent variable $\ln Y$ (ln of the dependent variable) and the independent variables $X_1, X_2, X_3, X_4, X_5, X_6, X_7, X_8, X_9, X_{10}, X_{11}, X_{12}, X_{13}, X_{14}, X_{15}, X_{16}, X_{17}, X_{18}, X_{19}, X_{20}, X_{21}, X_{22}, X_{23}, X_{24}, X_{25}, X_{26}, X_{27}, X_{28}, X_{29}, X_{30}, X_{31}, X_{32}, X_{33}, X_{34}, X_{35}, X_{36}, X_{37}, X_{38}, X_{39}, X_{40}, X_{41}, X_{42}, X_{43}, X_{44}, X_{45}, X_{46}, X_{47}, X_{48}, X_{49}, X_{50}, X_{51}, X_{52}, X_{53}, X_{54}, X_{55}, X_{56}, X_{57}, X_{58}, X_{59}, X_{60}, X_{61}, X_{62}, X_{63}, X_{64}, X_{65}, X_{66}, X_{67}, X_{68}, X_{69}, X_{70}, X_{71}, X_{72}, X_{73}, X_{74}, X_{75}, X_{76}, X_{77}, X_{78}, X_{79}, X_{80}, X_{81}, X_{82}, X_{83}, X_{84}, X_{85}, X_{86}, X_{87}, X_{88}, X_{89}, X_{90}, X_{91}, X_{92}, X_{93}, X_{94}, X_{95}, X_{96}, X_{97}, X_{98}, X_{99}, X_{100}$.

an audio input interface receiving the digital audio signal and identifying an audio bitstream;

an audio digital to analog converter connected to
the audio decoding unit and converting the audio
15 bitstream to an analog audio signal;

a video input interface receiving the digital video signal and identifying a video bitstream;

a video digital to analog converter connected to
the video decoding unit and converting the video
30 bitstream to an analog video signal;

a video output interface connected to the video digital to analog converter and distributing the analog video signal to the analog wireline device; and

5 a synchronization unit connected to the audio output interface and the video output interface and synchronizing the analog audio signal and the analog ~~video signal.~~

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17. The system of claim 16, further comprising a splitter receiving a digital input signal and splitting the digital input signal into the digital audio signal and the digital video signal.

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18. The system of claim 16 wherein the video input interface receives the digital video signal from a network.

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19. The system of claim 16 wherein the video input interface receives the digital video signal from a local storage device.

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20. The system of claim 19 wherein the video input interface receives the digital video signal produced by a digital video camera.

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21. A method for distributing audio content of a digital audio signal to an analog wireline device, comprising the steps of:

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receiving the digital audio signal and identifying an audio bitstream;

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decoding the audio bitstream;

converting the audio bitstream to an analog audio signal; and

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distributing the analog audio signal to the analog wireline device.

22. The method of claim 21, further comprising the steps of decrypting the audio bitstream.

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23. The method of claim 21, further comprising the steps of decrypting the analog audio signal.

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24. The method of claim 21 wherein the step of decoding the audio bitstream includes decompressing the audio bitstream.

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25. A method for distributing video content of a digital video signal to an analog wireline device, comprising the steps of:

5 receiving the digital video signal and identifying a video bitstream;

decoding the video bitstream;

10 converting the video bitstream to an analog video signal; and

distributing the analog video signal to the analog wireline device.

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26. The method of claim 25, further comprising the steps of decrypting the video bitstream.

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27. The method of claim 25, further comprising the steps of decrypting the analog video signal.

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28. The method of claim 25 wherein the step of decoding the video bitstream includes decompressing the video bitstream.

Suba9

29. A method for distributing audio and video content of a digital audio signal and a digital video signal to an analog wireline device, comprising the steps of:

5 receiving the digital audio signal and identifying an audio bitstream;

decoding the audio bitstream;

10 converting the audio bitstream to an analog audio signal;

receiving the digital video signal and identifying a video bitstream;

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decoding the video bitstream;

converting the video bitstream to an analog video signal; and

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distributing the analog audio signal and the analog video signal to the analog wireline device.

25 30. The method of claim 29, further comprising the steps of:

receiving a digital input signal as an integrated digital input signal; and

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splitting the digital input signal into the digital audio signal and the digital video signal.